

For Research Use Only

CORO1B Polyclonal antibody

Catalog Number: 31091-1-AP



Basic Information

Catalog Number:

31091-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34813

GenBank Accession Number:

BC006449

GeneID (NCBI):

57175

UNIPROT ID:

Q9BR76

Full Name:

coronin, actin binding protein, 1B

Calculated MW:

498 aa, 54 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HT-29 cells, MDA-MB-453 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

IHC : mouse liver tissue, human ovary cancer tissue

Background Information

CORO1B (Coronin 1B) is an actin-binding protein that controls actin networks at classical lamellipodia (PMID: 32850828). Coro1B localizes to the plasma membrane, regulates lamellipodia formation, and when phosphorylated, it can no longer bind ARP2/3 and inhibit its actin nucleation abilities (PMID: 22619279).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

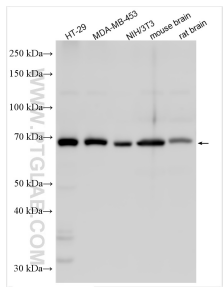
T: 4006900926

E: Proteintech-CN@ptglab.com

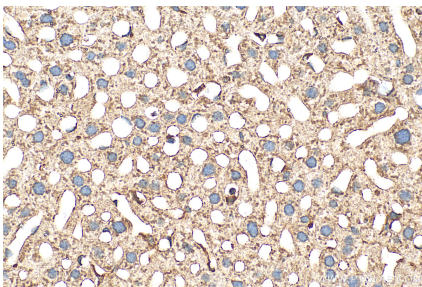
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

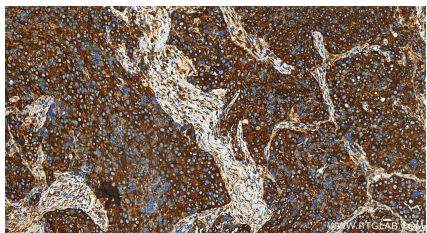
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31091-1-AP (CORO1B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 31091-1-AP (CORO1B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 31091-1-AP (CORO1B antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).